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APPLICATION NO.	FILING DATE .	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/633,708	08/05/2003	Kuo-Yu Chen	Q76847	6780
23373	7590 06/03/2005		EXAMINER	
SUGHRUE MION, PLLC			CHOI, LING SIU	
. 2100 PENNSYLVANIA AVENUE, N.W. SUITE 800			ART UNIT	PAPER NUMBER
WASHINGTO	ON, DC 20037		1713	

DATE MAILED: 06/03/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)			
	10/633,708	CHEN ET AL.			
Office Action Summary	Examiner	Art Unit			
	Ling-Siu Choi	1713			
The MAILING DATE of this communication ap Period for Reply	pears on the cover sheet with the	correspondence address			
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).					
Status					
 1) Responsive to communication(s) filed on 2a) This action is FINAL. 2b) This 3) Since this application is in condition for allowed closed in accordance with the practice under 	s action is non-final. ance except for formal matters, p				
Disposition of Claims					
4) ☐ Claim(s) 1-17 is/are pending in the application 4a) Of the above claim(s) 9-17 is/are withdraw 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) 1-8 is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction and/or Application Papers	n from consideration.				
 9) The specification is objected to by the Examin 10) The drawing(s) filed on 05 August 2003 is/are. Applicant may not request that any objection to the Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the Examin 	: a) \boxtimes accepted or b) \square objected or b) objected of a drawing(s) be held in abeyance. Solution is required if the drawing(s) is o	ee 37 CFR 1.85(a). bjected to. See 37 CFR 1.121(d).			
Priority under 35 U.S.C. § 119					
a) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority document 2. Certified copies of the priority document 3. Copies of the certified copies of the priority document application from the International Bureat* See the attached detailed Office action for a list	nts have been received. Its have been received in Applica prity documents have been receive au (PCT Rule 17.2(a)).	ntion No ved in this National Stage			
Attachment(s)					
 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08 Paper No(s)/Mail Date 	4) Interview Summai Paper No(s)/Mail 5) Notice of Informal 6) Other:				

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DETAILED ACTION

Election/Restriction

- 1. Restriction to one of the following inventions is required under 35 U.S.C. 121:
 - Claims 1-8, drawn to a method to reduce photoelectric device leakage current, classified in class 510, subclass 175.
 - II. Claims 9-17, drawn to a conjugated polymer composition, classified in class 526, subclass 346.
- 2. The inventions are distinct, each from the other because of the following reasons:

Inventions I and II are unrelated. Inventions are unrelated if it can be shown that they are not disclosed as capable of use together and they have different modes of operation, different functions, or different effects (MPEP '806.04, MPEP '808.01). In the instant case the different inventions relates to a method to reduce photoelectric device leakage current and a conjugated polymer composition.

- Because these inventions are distinct for the reasons given above and have acquired a separate status in the art because of their recognized divergent subject matter, restriction for examination purposes as indicated is proper.
- 4. During a telephone conversation with Mr. Brett S. Sylvester on May 20, 2005, a

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CFR 1.142(b), as being drawn to a non-elected invention.

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provisional election was made with traverse to prosecute the invention of Group I, claims 1-8. Affirmation of this election must be made by applicant in replying to this Office action. Claims 9-17 are withdrawn from further consideration by the examiner, 37

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5. Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a petition under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

Claim Rejections - 35 USC § 102

6. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless --

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

7. Claims 1-8 are rejected under 35 U.S.C. 102(e) as being anticipated by Kathirgamanathan et al. (US 2003/0215669 A1).

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A m	A method to reduce photoelectric device leakage current caused by residual metal ions		
in conjugated polymer, comprising			
Α	providing a conjugated polymer or precursor for a photoelectric device		
В	forming a solution containing the conjugated polymer or the precursor, 0.01-50		
	wt% chelating agent, and a solvent		
С	forming a film for photoelectric device from the resulting solution		

(summary of claim 1)

Kathirgamanathan et al. disclose a method to make an electroluminescent device comprising (I) a first electrode, (ii) a hole transporting layer formed of a conjugated polymer, (iii) a layer consisting of an electroluminescent material, and (iv) a second electrode, wherein the conjugated polymer can be poly(p-phenylene vinylene (PPV) or copolymers thereof ([0011]-[0013]; claims 1-7) and the electroluminescent material has the formula of $M(L_{\alpha})_n$ with M being a rare earth metal, a transition metal, lanthanide, or an actinide ([0021]-[0022]; [0028]) and L_{α} being a **crown ether** ([0071]; Examples). Kathirgamanathan et al. further disclose that "the transporting material can be mixed with the electroluminescent material and co-deposited with it", wherein a solvent such as dichloromethane, n-methyl pyrrolidone, dimethyl sulphoxide, or tetra hydrofuran dimethylformamise can be used ([0073]; [0076]). It is noted that the method is not drawn to one to reduce the current leakage. However, in view of the substantial identical compositions resulted from the present invention and the disclosure of Kathirgamanathan et al., the method would inhere a function to reduce the current leakage. Thus, the present claims are anticipated by the disclosure of Kathirgamanathan et al.

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Conclusion

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ling-Siu Choi whose telephone number is 571-272-1098.

If attempt to reach the examiner by telephone are unsuccessful, the examiner=s supervisor, David Wu, can be reach on 571-272-1114.

LING-SUI CHOI PRIMARY EXAMINER

March 25, 2005

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